

DERWENT-ACC-NO: 1992-428876

DERWENT-WEEK: 199252

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TITLE: Correcting uniformity level of tyres - by detecting variation to lateral direction by contacting drum and buffering projected region, in which max. or min. variation is contained

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PATENT-ASSIGNEE: SUMITOMO RUBBER IND LTD[SUMR]

PRIORITY-DATA: 1991JP-0095152 (April 25, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
JP 04325227 A	November 13, 1992	N/A	003 B29D 030/08
JP 95067759 B2	July 26, 1995	N/A	006 B29D 030/08
US 5218789 A	June 15, 1993	N/A	010 B24B 049/00

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 04325227A	N/A	1991JP-0095152	April 25, 1991
JP 95067759B2	N/A	1991JP-0095152	April 25, 1991
JP 95067759B2	Based on	JP 4325227	N/A
US 5218789A	N/A	1992US-0871489	April 21, 1992

INT-CL (IPC): B24B001/00, B24B049/00 , B29D030/08

ABSTRACTED-PUB-NO: JP 04325227A

BASIC-ABSTRACT:

Uniformity level of a tyre is corrected by detecting a variation to the lateral direction by contacting drum for detecting variations with the tyre rotating



around a rotation shaft and buffing a projected region, in which the max. or min. variation is contained. When the tyre comprises four grooves and projected parts consists of shoulder ribs placed at both ends, central ribs and middle ribs formed between the shoulder rib and central rib, respectively, a rib to be buffed is selected from the middle ribs.

USE/ADVANTAGE - Only lateral force variation can be reduced without a charge of a radical force variation by buffing only specific projected parts.

ABSTRACTED-PUB-NO: US 5218789A

EQUIVALENT-ABSTRACTS:

Improving uniformity level of tyre having projection lines arranged parallel to plane perpendicular to tyre rotational axis over circumferential surface. The method measures variation in lateral force exerted on contact area of the tyre during rotation in forward and reverse directions, determining two regions on the surface where max. and min. lateral force vibrations occur respectively, and scouring over these on at least one projection line for each half divided by centre line around an outer circumference satisfying conditions of being located on the tyre side corresp. to half direction in which lateral force varies and (2) located between the centre line and an outermost projection line.

ADVANTAGE - Used for balancing of tyres.

CHOSEN-DRAWING: Dwg.0/8 Dwg.1/8

TITLE-TERMS: CORRECT INIFORM LEVEL TYRE DETECT VARIATION  
LATERAL DIRECTION  
CONTACT DRUM BUFFER PROJECT REGION MAXIMUM MINIMUM  
VARIATION  
CONTAIN

DERWENT-CLASS: A35 A95 P61

CPI-CODES: A09-C; A12-T01A;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0009 0229 0231 2411 2458 2470 2483 2500 2545 2826 3241

Multipunch Codes: 014 03- 032 04- 41& 425 45& 455 456 466 470 476 54& 602  
672



726

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